

Message Text

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ACTION EB-07

INFO OCT-01 EA-09 ISO-00 COME-00 DOTE-00 CIAE-00

INR-07 NSAE-00 /024 W

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FM AMEMBASSY TOKYO

TO SECSTATE WASHDC 7716

INFO USERDA WASHDC

USERDA GERMANTOWN

UNCLAS TOKYO 7025

DEPT PASS TO DOT

E.O. 11652: N/A

TAGS: ETRN, TECH, JA

SUBJECT: ELECTRIC AUTOMOBILE DEVELOPMENT PROGRAM

1. THE SIX-YEAR, SIX BILLION YEN NATIONAL R&D PROJECT ON ELECTRIC VEHICLES, ADMINISTERED BY MITI/AIST (AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY) AND PARTICIPATED IN BY 14 PRIVATE ENTERPRISES, HAS BEEN COMPLETED.

2. ACCORDING TO MITI/AIST, PROJECT WAS SUCCESSFUL IN THAT MOST GOALS SET AT OUTSET FOR FOUR TYPES OF VEHICLES (LIGHT-WEIGHT PASSENGER CAR, COMPACT PASSENGER CAR, LIGHT-WEIGHT TRUCK AND COMPACT TRUCK) HAVE NOT ONLY BEEN ATTAINED BUT SURPASSED, AS SHOWN BELOW:
(ORIGINAL GOAL INDICATED IN PARENTHESIS)

COMPACT

LIGHT-WEIGHT PASSENGER LIGHT-WEIGHT COMPACT
PASSENGER CAR CAR TRUCK TRUCK

SIZE (M)	3.2X1.4X1.4	3.4X1.5X1.5	3.1X1.4X1.6	4.7X1.7X1.8
WEIGHT (KG)	1,427	1,480	1,538	3,620
(1,000)	(2,000)	(1,100)	(3,500)	
PASSENGERS	4	4	2	2

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	(2-4)	(3-5)	(2)	(2)
PAYLOAD (KG)	-	-	300	1,000
MAX. SPEED	101	85	78	87
(KM/HR)	(80)	(80)	(70)	(70)
ACCELERATION	6.0	3.6	8.1	6.9
(SEC.)	(7)	(6)	(9)	(9)
(0-40 KM/HR)				

CRUISING RANGE	259	243	205	302
PER CHARGE OF	(180)	(180)	(160)	(200)
BATTERY (KM)				
NOISE LEVEL	69	60	63	63
(PHON)				
(BATTERY)	FE-NI	PB	PB	PB
		(CLAD TYPE)	(PASTE TYPE)	
ENERGY DENSITY	82.5	50	51.5	51.5
(WH/KG)	(OVER 60)		(OVER 50)	(OVER 50)
LIFE CYCLE	512	522	701	556
(CHARGE/	(1,000)	(OVER 500)	(OVER 500)	(OVER 500)
DISCHARGE				
CYCLES)				
MOTOR OUTPUT	12.9	20.9	14.4	27
(KW)	31 (MAX)	38.5 (MAX)	29.4 (MAX)	52 (MAX)

3. TOP PRIORITY IN PROJECT WAS PLACED ON DEVELOPMENT OF BATTERY. AS RESULT OF INTENSE RESEARCH PERFORMED BY FIVE CONTRACTING BATTERY MANUFACTURERS, "JAPANESE BATTERY TECHNOLOGY HAS REACHED TOP LEVEL," ACCORDING TO AN AIST R&D MANAGER. BEST OF ALL BATTERIES DEVELOPED SPECIFICALLY FOR ELECTRIC VEHICLES IN JAPAN IS SHIN KOBE DENKI'S LLAD BATTERY FEATURING SPECIALLY PROTECTED ANODE PLATE TO INCREASE ITS DURABILITY. THIS BATTERY WAS USED IN THE LIGHT-WEIGHT TRUCK.

4. ON APRIL 6, MITI ANNOUNCED TEN-YEAR BASIC PLAN FOR POPULARIZING ELECTRIC VEHICLES. MINISTRY VISUALIZES INCREASE IN BATTERY-POWERED VEHICLES OF 250,000 UNITS IN NEXT TEN YEARS AND TO ATTAIN THIS GOAL MITI WILL SEEK TO REDUCE BY 1983 PRICE UNCLASSIFIED

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OF VEHICLE TO LESS THAN 50 PERCENT OF THAT WHICH PREVAILED IN 1976. IN ORDER TO TRANSLATE THIS GOAL INTO REALITY, MITI FEELS IT NECESSARY TO PRESS AHEAD WITH POLICY DESIGNED TO IMPROVE PERFORMANCE OF STORAGE BATTERY, TO ENHANCE ECONOMY OF VEHICLES BY STANDARDIZING PARTS AND COMPONENTS AND BY BUILDING EFFICIENT MASS PRODUCTION SYSTEM, TO ESTABLISH NATIONWIDE SYSTEM OF BATTERY CHARGING, SERVICING AND CHECK-UPS, TO ALIGN SOCIAL ENVIRONMENT BY SAFETY AND TRAFFIC REGULATION RELATING TO VEHICLE OPERATIONS WITHIN CITY LIMITS AND TO EDUCATE GENERAL PUBLIC ON MERITS OF SUCH VEHICLES. SHOESMITH

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NNN

Message Attributes

Automatic Decaptioning: X
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Control Number: n/a
Copy: SINGLE
Sent Date: 13-May-1977 12:00:00 am
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Decaption Note:
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
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To: STATE
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